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**PATENT**col  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,138,349

Issue Date: November 21, 2006

Inventor(s): Susumu UEHARA; Koji SHIMIZU; Shinya MASHIKO

Title: OPTICAL GLASS

Docket No.: 118052

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER RULE 323**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is respectfully requested that a Certificate of Correction be issued in order to correct the errors specified in the attached copy of Certificate of Correction Form PTO-1050.

Our Check No. 188424 in the amount of One Hundred Dollars (\$100.00) is attached in accordance with the provisions of 37 C.F.R. §1.323 and §1.20(a). In the event of any underpayment or overpayment, please debit or credit Deposit Account No. 15-0461 as needed in order to ensure prompt issuance of a Certificate of Correction. Two duplicate copies of this Request are attached.

Respectfully submitted,

William P. Berridge  
Registration No. 30,024

J. Adam Neff  
Registration No. 41,218

**Certificate**  
JAN 23 2007  
**of Correction**

WPB:JAN:GMH/eks

Date: January 17, 2007

OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, Virginia 22320  
Telephone: (703) 836-6400

01/18/2007 SZEWDIE1 00000062 7138349

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AUTHORIZATION  
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necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461

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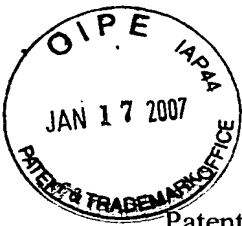
Date: January 17, 2007

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PATENT NO : 7,138,349  
 DATED : November 21, 2006  
 INVENTOR(S) : Susumu UEHARA; Koji SHIMIZU; Shinya MASHIKO

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby  
corrected as shown below:

In the specification:

Column 1, line 38	replace "perform" with "preform"
Column 2, line 4	delete "to"
Column 2, line 13	replace "C." with "C"
Column 2, line 15	replace "C." with "C"
Column 2, line 17	replace "C." with "C"
Column 2, line 27	replace " $(n_d)$ " with " $(n_d)$ "
Column 2, line 27	replace " $(v_d)$ " with " $(v_d)$ "
Column 2, line 31	replace " $(n_d)$ " with " $(n_d)$ "
Column 2, line 32	replace $(v_d)$ with $(v_d)$
Column 2, line 33	replace "A ( $n_d=1.835$ , $v_d=46.5$ )" with "A ( $n_d=1.835$ , $v_d=46.5$ )"
Column 2, line 34	replace "B ( $n_d=1.90$ , $v_d=40.0$ )," with "B ( $n_d=1.90$ , $v_d=40.0$ ),"
Column 2, line 34	replace "point C," with "point C"
Column 2, line 34	replace " $(n_d=1.90$ , $v_d=35.0$ )" with " $(n_d=1.90$ , $v_d=35.0$ )"
Column 2, line 35	replace "D ( $n_d=1.835$ , $v_d=38.0$ )" with "D ( $n_d=1.835$ , $v_d=38.0$ )"
Column 2, line 42	replace " $(n_d)$ " with " $(n_d)$ "
Column 2, line 44	replace " $(v_d)$ " with " $(v_d)$ "
Column 2, line 51	delete "has"
Column 2, line 62	replace "reason," with "reasons,"

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DATED : November 21, 2006

INVENTOR(S) : Susumu UEHARA; Koji SHIMIZU; Shinya MASHIKO

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 4, line 3	replace "does not" with "is not"
Column 5, line 4	replace "inventors has" with "inventors have"
Column 5, line 11	replace "inventor has" with "inventors have"
Column 5, line 14	replace " $(n_d)$ " with " $(n_d)$ "
Column 5, line 14	replace " $(v_d)$ " with " $(v_d)$ "
Column 5, line 16	replace "A ( $n_d=1.835$ , $v_d=46.5$ )" with "A ( $n_d=1.835$ , $v_d=46.5$ )"
Column 5, lines 16-17	replace "B ( $n_d=1.90$ , $v_d=40.0$ )," with "B ( $n_d=1.90$ , $v_d=40.0$ ),"
Column 5, line 17	replace "point C, ( $n_d=1.90$ , $v_d=35.0$ )" with "point C ( $n_d=1.90$ , $v_d=35.0$ )"
Column 5, line 18	replace " $(n_d=1.835$ , $v_d=38.0$ )" with " $(n_d=1.835$ , $v_d=38.0$ )"
Column 5, line 20	replace " $(v_d)$ " with " $(v_d)$ "
Column 5, line 21	replace " $(n_d)$ " with " $(n_d)$ "
Column 5, line 41	replace "0.1 to 1 mass %" with "0 to 1 mass %"
Column 5, line 42	replace "1 to 6 mass %" with "0.1 to 6 mass %"
Column 5, line 55	replace " $(n_d)$ " with " $(n_d)$ "
Column 5, line 57	replace " $(n_d)$ " with " $(n_d)$ "
Column 5, line 59	replace " $(n_d)$ " with " $(n_d)$ "
Column 5, line 61	replace " $(v_d)$ " with " $(v_d)$ "
Column 5, line 63	replace " $(v_d)$ " with " $(v_d)$ "
Column 5, line 65	replace "C." with "C"
Column 5, line 67	replace "C." with "C"

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DATED : November 21, 2006

INVENTOR(S) : Susumu UEHARA; Koji SHIMIZU; Shinya MASHIKO

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby  
corrected as shown below:

Column 6, line 2	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 6, line 3	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 6, line 4-5	replace "A (n <sub>d</sub> =1.835, v <sub>d</sub> =46.5)" with "A (n <sub>d</sub> =1.835, v <sub>d</sub> =46.5)"
Column 6, line 5	replace "B (n <sub>d</sub> =1.90, v <sub>d</sub> =40.0)," with "B (n <sub>d</sub> =1.90, v <sub>d</sub> =40.0),"
Column 6, line 5-6	replace "point C, (n <sub>d</sub> =1.90, v <sub>d</sub> =35.0)" with "point C (n <sub>d</sub> =1.90, v <sub>d</sub> =35.0)"
Column 6, line 6	replace "D (n <sub>d</sub> =1.835, v <sub>d</sub> =38.0)" with "D (n <sub>d</sub> =1.835, v <sub>d</sub> =38.0)"
Column 6, line 9	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 6, line 9	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 6, line 46	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 6, line 48	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 6, line 50	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 6, line 53	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 6, line 55	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 6, line 57	replace "C." with "C"
Column 6, line 59	replace "C." with "C"
Column 6, line 64	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 6, line 64	replace "(n <sub>d</sub> )," with "(n <sub>d</sub> ),"
Column 6, line 66	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 6, line 66	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 9, line 4	replace "2%" with "2%."
Column 9, line 5	insert tab at beginning of line to start new paragraph
Column 9, line 49	replace "(Tg)," with "(Tg), and"
Column 9, line 51	replace "inventors has" with "inventors have"
Column 9, line 64	replace "become" with "becomes"

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 10, line 45	replace "(n <sub>d</sub> )," with "(n <sub>d</sub> ),"
Column 10, line 46	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 10, line 50	replace "(n <sub>d</sub> )," with "(n <sub>d</sub> ),"
Column 10, line 50	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 11, line 21	replace "C." with "C"
Column 11, line 49	replace "C." with "C"
Column 12, line 18	replace "C." with "C"
Column 12, line 41	replace "C." with "C"
Column 12, line 65	replace "C." with "C"
Column 13, line 24	replace "C." with "C"
Column 13, line 46	replace "F <sub>2</sub> " with "F"
Column 13, line 49	replace "C." with "C"
Column 14, line 11	replace "C." with "C"
Column 14, line 19	replace "to be the composition" with "to the composition"
Column 14, line 22	replace "1200 °C. to 1400° C." with "1200° C to 1400° C"
Column 14, line 55	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 14, line 56	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"

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corrected as shown below:

Column 15, line 12	replace "C." with "C"
Column 15, line 17	replace "in a electric" with "in an electric"
Column 15, line 20	replace "C." with "C,"
Column 15, line 20	replace "2hours" with "2 hours"
Column 15, line 29	replace "mol % mass %" with "mol % to mass %"
Column 15, line 63	replace "C." with "C"
Column 15, line 65	replace "C." with "C"
Column 15, line 67	replace "C." with "C"
Column 16, line 7	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 16, line 7	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 16, line 9	replace "A (n <sub>d</sub> =1.835, v <sub>d</sub> =46.5)" with "A (n <sub>d</sub> =1.835, v <sub>d</sub> =46.5)"
Column 16, line 10	replace "B (n <sub>d</sub> =1.90, v <sub>d</sub> =40.0)," with "B (n <sub>d</sub> =1.90, v <sub>d</sub> =40.0),"
Column 16, line 10	replace "(n <sub>d</sub> =1.90, v <sub>d</sub> =35.0)" with "(n <sub>d</sub> =1.90, v <sub>d</sub> =35.0)"
Column 16, line 10	replace "point C," with "point C"
Column 16, line 11	replace "D (n <sub>d</sub> =1.835, v <sub>d</sub> =38.0)" with "D (n <sub>d</sub> =1.835, v <sub>d</sub> =38.0)"
Column 16, line 14	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 16, line 14	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 16, line 36	replace "in a the total" with "in a total"
Column 16, line 14	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 16, line 14	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 16, line 14	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 16, line 14	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 16, line 14	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"

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
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corrected as shown below:

Column 17, line 20	replace "C." with "C"
Column 17, line 22	replace "C." with "C"
Column 17, line 26	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 17, line 28	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 17, line 30	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 17, line 31	replace "having;" with "having:"
Column 17, line 32	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 17, line 32	replace (v <sub>d</sub> ) with (v <sub>d</sub> )
Column 17, line 34	replace "A (n <sub>d</sub> =1.835, v <sub>d</sub> =46.5)" with "A (n <sub>d</sub> =1.835, v <sub>d</sub> =46.5)"
Column 17, line 35	replace "B (n <sub>d</sub> =1.90, v <sub>d</sub> =40.0)," with "B (n <sub>d</sub> =1.90, v <sub>d</sub> =40.0),"
Column 17, line 35	replace "point C," with "point C"
Column 17, line 35	replace "(n <sub>d</sub> =1.90, v <sub>d</sub> =35.0)" with "(n <sub>d</sub> =1.90, v <sub>d</sub> =35.0)"
Column 17, line 36	replace "D (n <sub>d</sub> =1.835, v <sub>d</sub> =38.0)" with "D (n <sub>d</sub> =1.835, v <sub>d</sub> =38.0)"
Column 17, line 38	replace "X-axis the" with "X-axis is the"
Column 17, line 39	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 17, line 39	replace "(n <sub>d</sub> )," with "(n <sub>d</sub> ),"
Column 17, line 40	replace "border line;" with "border lines;"
Column 18, line 1	replace "is more" with "is more than 10"
Column 18, line 28	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 18, line 30	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 18, line 33	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 18, line 34	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 18, line 36	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 18, line 38	replace "C." with "C"
Column 18, line 40	replace "C." with "C"
Column 18, line 44	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"
Column 18, line 46	replace "(n <sub>d</sub> )" with "(n <sub>d</sub> )"
Column 18, line 48	replace "(v <sub>d</sub> )" with "(v <sub>d</sub> )"

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INVENTOR(S) : Susumu UEHARA; Koji SHIMIZU; Shinya MASHIKO

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Abstract:

Line, 1	replace " $(n_d)$ " with " $(n_d)$ "
Line, 2	replace " $(v_d)$ " with " $(v_d)$ "
Line, 4	replace " $(n_d=1.835, v_d=46.5)$ " with " $(n_d=1.835, v_d=46.5)$ "
Line, 4	replace "B ( $n_d=1.90, v_d=40.0$ )," with "B ( $n_d=1.90, v_d=40.0$ ),"
Line, 4	replace "point C," with "point C"
Line, 5	replace " $(n_d=1.90, v_d=35.0)$ " with " $(n_d=1.90, v_d=35.0)$ "
Line, 5	replace "D ( $n_d=1.835, v_d=38.0$ )" with "D ( $n_d=1.835, v_d=38.0$ )"
Line, 8	replace " $(v_d)$ " with " $(v_d)$ "
Line, 8	replace " $(n_d)$ " with " $(n_d)$ "
Line, 12	replace " $(n_d)$ " with " $(n_d)$ "
Line, 12	replace " $(v_d)$ " with " $(v_d)$ "
Line, 15	replace "C," with "C,"

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